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REISSUE APPLICATION FEE TRANSMITTAL FORM

Docket Number (Optional)

011361.00065

Claims as Filed - Part 1

Claims in Patent		Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
(A) 65	Total Claims (37 CFR 1.16(j))	(B) 75	**** 10 =	x \$ _____ =		or	x \$ 18 = 180
(C) 3	Independent claims (37 CFR 1.16(i))	(D) 8	* 5 =	x \$ _____ =			x \$ 84 = 420
Basic Fee (37 CFR 1.16(h)) \$ _____							\$ 750
Total Filing Fee \$ _____						OR	\$ 1,350

Claims as Amended - Part 2

	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS	**	* =	x \$ _____ =		x \$ _____ =	
Independent Claims (37 CFR 1.16(i))	***	MINUS	*****	=	x \$ _____ =		x \$ _____ =	
Total Additional Fee \$ _____						OR	\$ _____	

* If the entry in (D) is less than the entry in (C), Write "0" in column 3.

** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.

*** After any cancellation of claims.

**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).

***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).

☐ Applicant claims small entity status. See 37 CFR 1.27.

☐ Please charge Deposit Account No. _____ in the amount of _____.
A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 19-0733.
A duplicate copy of this sheet is enclosed.

☐ A check in the amount of \$ _____ to cover the filing / additional fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

17 July 2003
Date


Signature of Applicant, Attorney or Agent of Record

Peter D. McDermott (Reg. No. 29,411)
Typed or printed name

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee: Shen et al.**Assignee:** Atwood Mobile Products, Inc.**U.S. Patent No.:** 5,650,054 **Date Issued:** July 22, 1997**Application No.:** 522,946 **Date Filed:** September 1, 1995**Title:** LOW-COST ROOM TEMPERATURE CARBON MONOXIDE AND
TOXIC GAS SENSOR WITH HUMIDITY COMPENSATION
BASED ON PROTONIC CONDUCTIVE MEMBRANES

Mail Stop Reissue
Commissioner for Patents
P.O. Box. 1450
Alexandria, VA 22313-1450

CERTIFICATE OF EXPRESS MAIL

Dear Sir:

Express Mail Label No.: EV323344577US**Date of Deposit:** 17 July 2003

I hereby state that the following:

- (i) Return Receipt Postcard;
- (ii) Reissue Application Transmittal Letter (2 pages);
- (iii) Reissue Application Fee Transmittal Form (1 page in Duplicate);
- (iv) Power of Attorney or Authorization of Agent Form (2 pages);
- (v) Reissue Application Declaration by the Assignee (9 pages);
- (vi) Chart Showing Differences in Claim Language between the Original Patent Claims and the Presented Reissue Claims (331 pages);
- (vii) Reissue Application Consent of the Assignee (1 page);
- (viii) Certificate Under 37 C.F.R. § 3.73(b) (10 pages);
- (ix) Preliminary Amendment (24 pages);
- (x) Copy of Specification, Figures and Claims of U.S. Patent No. 5,650,054 (20 pages);
- (xi) Copy of Terminal Disclaimer (11 pages);

*Certificate of Express Mail for
Reissue Application of U.S. Patent No. 5,650,054
Page 1 of 2*

- (xii) Statement Under 37 C.F.R. § 1.178(b) (2 pages); and
- (xiii) This Certificate of Express Mail (2 pages).

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop Reissue, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Rachelle Chery

A handwritten signature in black ink, appearing to read 'Rachelle Chery', written over a horizontal line.

Signature of person mailing paper or fee

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,650,054

Page 1 of 2

DATED : July 22, 1997

INVENTOR(S) : Yousheng Shen; Franco Consadori; D. George Field

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Figure 8, change Reference Numeral "206" to --206a--

Col. 3, line 58, change "humility" to --humidity--

Col. 4, line 54 change "alaways" to --always--

Col. 6, line 50, change "thine" to --thin--

Col. 7, line 27, change reference numeral "20" to --50--

Col. 8, lines 29-30 change "NAFION 117™" to --NAFION™ 117--

Col. 8, line 49, change "form" to --from--

Col. 8, line 51, change "substanial" to --substantially--

Col. 8, line 66, change reference numeral "36" to --202--

Col. 9, line 21, change "method" to --methods--

Col. 11, line 20, change reference numeral "148" to --146--

Col. 11, line 47, change "an one" to --than one--

Col. 12, line 29, change "accomplish" to --accomplished--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,650,054

Page 2 of 2

DATED : July 22, 1997

INVENTOR(S) : Yousheng Shen; Franco Consadori; D. George Field

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 12, line 36, change "film is preferable" to --preferable film is--

Col. 13, line 12, change "Fig. 10" to --Figure 7--

Col. 15, line 50, change "For Carbon" to --D. For Carbon--

Signed and Sealed this
Twenty-seventh Day of October, 1998

Attest:



BRUCE LEHMAN

Attesting Officer

Commissioner of Patents and Trademarks

Addendum

Attachment 1

Low-Cost Room Temperature Carbon Monoxide and Toxic Gas Sensor with Humidity Compensation Based on Protonic Conductive Membranes

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**Patentee: Shen et al.****Assignee: Atwood Mobile Products, Inc.****U.S. Patent No.: 5,650,054 Date Issued: July 22, 1997****Application No.: 522,946 Date Filed: September 1, 1995****Title: LOW-COST ROOM TEMPERATURE CARBON MONOXIDE AND
TOXIC GAS SENSOR WITH HUMIDITY COMPENSATION
BASED ON PROTONIC CONDUCTIVE MEMBRANES**

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Commissioner for Patents
P.O. Box. 1450
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER FOR REISSUE APPLICATION OF
U.S. PATENT No. 5,650,054**

Dear Sir:

Enclosed for filing please find the following reissue application papers for the
above referenced patent:


- (i) Return Receipt Postcard;
- (ii) Reissue Application Fee Transmittal Form;
- (iii) Power of Attorney or Authorization of Agent Form;
- (iv) Reissue Application Declaration by the Assignee;
- (v) Chart Showing Differences in Claim Language between the Original
Patent Claims and the Presented Reissue Claims;
- (vi) Reissue Application Consent of the Assignee;
- (vii) Certificate Under 37 C.F.R. § 3.73(b);
- (viii) Preliminary Amendment;
- (ix) Copy of Specification, Figures and Claims of U.S. Patent No. 5,573,648;
- (x) Copy of Terminal Disclaimer;

- (xi) Statement Under 37 C.F.R. § 1.178(b); and
- (xii) Certificate of Express Mail.

The Commissioner is hereby authorized to charge all fees or credit overpayments to Deposit Account No. 19-0733.

Respectfully submitted,
Shen et al.

Date: 17 July 2003

By: 
Peter D. McDermott (Reg. No. 29,411)
Attorney for Applicants
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Boston, MA 02109
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**Patentee:** Shen et al.**Assignee:** Atwood Mobile Products, Inc.**U.S. Patent No.:** 5,650,054 **Date Issued:** July 22, 1997**Application No.:** 522,946 **Date Filed:** September 1, 1995**Title:** **LOW-COST ROOM TEMPERATURE CARBON MONOXIDE AND TOXIC GAS SENSOR WITH HUMIDITY COMPENSATION BASED ON PROTONIC CONDUCTIVE MEMBRANES**

Mail Stop Reissue
Commissioner for Patents
P.O. Box. 1450
Alexandria, VA 22313-1450

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Dear Sir:

Atwood Mobile Products, Inc., the owner of all right, title and interest to the above-referenced patent, states that it is:


The assignee of the entire, right, title and interest in the patent identified above by virtue of:

(1) An Assignment from the inventors of the patent application/patent identified above to Atwood Industries, Inc. The assignment was duly recorded in the United States Patent and Trademark Office at Reel 008057, Frame 0813 on July 30, 1996; and

(2) The documents attached to this Certificate show that Atwood Industries, Inc. made a capital contribution of all its assets to Atwood RV Products, Inc. The documents attached to this Certificate also show that Atwood RV Products, Inc., through a merger and name change, became Atwood Mobile Products, Inc.

7 July 2003

Date



David Bovee
Vice President
Dura Automotive Systems, Inc.